

## IN THE CLAIMS

Please amend the claims as follows:

Claims 1-5 (Canceled).

Claim 6 (New): A turbomachine comprising:

a sealing device between a turbine rotor and an inner casing of a combustion chamber,  
the turbine rotor comprising:

a turbine disk presenting an upstream clamping annulus for fastening it to a  
downstream cone of a compressor, and

a flange disposed upstream from the disk and spaced apart from the disk by a  
cavity, the flange including an inside bore traversed by the upstream clamping  
annulus of the disk and an upstream clamping annulus so it can be fastened onto the  
downstream cone;

a first air circuit secured to the inner casing to deliver a first flow of cooling into the  
cavity via main injectors and holes made in the flange;

the sealing device comprising a discharge labyrinth between the downstream cone and  
the inner casing, a main under-injector labyrinth disposed between the flange and an inside  
wall of the first air circuit, and at least one over-injector labyrinth disposed between the  
flange and an annular structure provided between an outside wall of the first air circuit and  
the inner casing, a second flow of cooling air flowing inside a second circuit defined by  
enclosures delimited by the inner casing and the rotor, by the labyrinths, and being evacuated  
in part in the upstream venting cavity of the disk, wherein downstream from the main  
injectors in flow direction of the second flow of cooling air, the sealing device comprises at  
least three labyrinths radially spaced apart, being disposed between the flange and the annular  
structure.

Claim 7 (New): A turbomachine according to claim 6, wherein each of the three labyrinths comprises a single wiper.

Claim 8 (New): A turbomachine according to claim 6, wherein one of the annular cavities lying between two consecutive labyrinths out of the three labyrinths is fed by cooling air coming from the second circuit upstream from the under-injector labyrinth.

Claim 9 (New): A turbomachine according to claim 8, wherein the flow of cooling air is set into rotation in a same direction as rotation of the rotor by secondary injectors.

Claim 10 (New): A turbomachine according to claim 9, wherein the secondary injectors are made in a form of sloping holes formed in the annular structure.